

What is claimed is:

1. A digital broadcasting storage device using a mark-up language, the storage device comprising:

5 user interface means for allowing broadcasting information to be used or searched;

metadata processing means for processing and parsing XML(Extensible Markup Language)-formatted broadcasting information received;

10 storage means for storing the broadcasting information therein;

searching means for searching and providing the stored broadcasting information; and

15 controlling means for controlling to process, store and search the broadcasting information.

2. The storage device according to claim 1, wherein the metadata processing means further comprises preference extracting means for extracting a preference that is directly inputted by a
20 user or that is automatically created from a watch record.

3. The storage device according to claim 1, wherein the searching means searches using a title, a keyword, a genre and the like according to a user's request of the stored broadcasting

information, and provides the searched information for the user through the user interface means

4. The storage device according to claim 1, wherein the
5 controlling means comprises:

database managing means for managing information of the storage means;

media file system managing means for managing a file system;
and

10 a media router for controlling a peripheral device.

5. The storage device according to claim 1, wherein the metadata processing means comprises:

a media management engine for managing record or reproduction
15 of a video/audio;

a metadata processing engine for previously processing and storing the XML-formatted information; and

an XML parsing engine for parsing the stored XML-formatted information.

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6. A digital broadcasting storage method using a mark-up language, the storage method comprising:

receiving XML-based broadcasting information to extract metadata;

25 processing, parsing and storing the extracted metadata; and

searching the stored metadata in response to a user's request to provide the broadcasting information.

7. The storage device according to claim 6, wherein the
5 broadcasting information is searched reflecting a user preference.

8. The storage device according to claim 7, wherein the user preference is directly inputted by a user or is automatically created from a user's watch record.

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